



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
 12.06.2002 Bulletin 2002/24

(51) Int Cl.7: **E21B 43/10, E21B 43/08**

(43) Date of publication A2:
 07.11.2001 Bulletin 2001/45

(21) Application number: **01304042.3**

(22) Date of filing: **03.05.2001**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
 MC NL PT SE TR**
 Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
 • **Castano-Mears, Ana M.**
Coppell, Texas 75019 (US)
 • **Gano, John C.**
Carrollton, Texas 75007 (US)
 • **Echols, Ralph H.**
Carrollton, Texas 75287 (US)

(30) Priority: **05.05.2000 US 565899**

(71) Applicant: **Halliburton Energy Services, Inc.**
Dallas, Texas 75381-9052 (US)

(74) Representative: **Curtis, Philip Anthony et al**
A.A. Thornton & Co.,
235 High Holborn
London WC1V 7LE (GB)

(54) **Expandable well screen**

(57) An expandable well screen (36) provides increased collapse, torsional and tensile strength. In an embodiment, the expandable well screen (36) includes a generally tubular base pipe (38) and an external filtering media (40). The well screen (36) is configured to have sufficient torsional and tensile strength for conveyance and positioning in a wellbore, while also having sufficient strength to prevent collapse when the screen (38) is radially expanded.

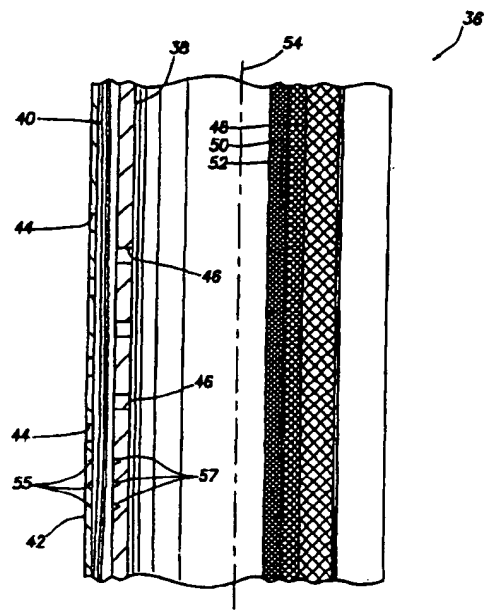


FIG.2



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 30 4042

BEST AVAILABLE COPY

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (InCL.7)
X	FR 2 771 133 A (DRILLFLEX) 21 May 1999 (1999-05-21) * claim 1 * * figures 6,7 *	1,9	E21B43/10 E21B43/08
X	US 3 099 318 A (MILLER MONTGOMERY K ET AL) 30 July 1963 (1963-07-30) * column 7, line 29-32 * * figures 1-4 *	1,9	
X	WO 98 49423 A (SHELL CANADA LTD ;SHELL INT RESEARCH (NL)) 5 November 1998 (1998-11-05) * page 4, line 28-35 * * figures 3,4 *	7	
A	US 5 901 789 A (KENTER CORNELIS JAN ET AL) 11 May 1999 (1999-05-11) * the whole document *	1,3,5, 7-10	
			TECHNICAL FIELDS (InCL.7)
			E21B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 April 2002	Examiner Schouten, A
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO Form 1503 02 02 (IP/COL)

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 01 30 4042

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-04-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2771133	A	21-05-1999	FR 2771133 A1 AU 1159199 A WO 9925951 A1	21-05-1999 07-06-1999 27-05-1999
US 3099318	A	30-07-1963	NONE	
WO 9849423	A	05-11-1998	AU 717503 B2 AU 7651798 A BR 9809005 A WO 9849423 A1 EP 0980462 A1 NO 995248 A	30-03-2000 24-11-1998 08-08-2000 05-11-1998 23-02-2000 27-10-1999
US 5901789	A	11-05-1999	AU 710745 B2 AU 7568096 A BR 9611456 A DE 69617258 D1 EA 980433 A1 WO 9717524 A2 EP 0859902 A2 JP 11514712 T NO 982087 A NZ 322015 A US 6012522 A	30-09-1999 29-05-1997 17-02-1999 03-01-2002 29-10-1998 15-05-1997 26-08-1998 14-12-1999 07-07-1998 28-10-1999 11-01-2000

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82